

[What is claimed is]

1. A liquid crystal display device with a repair function, comprising:

an insulating substrate;

a gate line formed on the insulating substrate and a gate electrode integral to the gate line;

a semiconductor layer formed on the gate electrode with having an insulating film therebetween;

a data line crossed with the gate electrode, a source electrode integral to the data line on the semiconductor layer and the gate electrode, and a drain electrode spaced oppositely the source electrode;

a protective film having a first contact hole at the drain electrode;

a pixel electrode formed on the protective film and connected, via the contact hole, to the drain electrode, said pixel electrode having an area overlapped partially with the data line and being spaced by a desired length(α) from the gate line at at least one corner thereof; and

a storage electrode extending from the pixel electrode to be overlapped partially with the gate line, said storage electrode being spaced by a desired width(δ) from the data line at at least one corner thereof.

2. The liquid crystal display device according to claim 1, wherein each of the desired length(α) and the desired width(δ) is 5 μm .

3. The liquid crystal display device according to claim 1, wherein the storage electrode is integral to the pixel electrode with a material identical to the pixel electrode.

4. The liquid crystal display device according to claim 1, further comprising:

a gate overlapping part overlapped with the gate line in such a manner to be opposed to the storage electrode.

5. The liquid crystal display device according to claim 4, wherein the storage electrodes are spaced by a desired length(α) and a desired width(δ).

6. The liquid crystal display device according to claim 1, wherein the storage electrode is made from the same material as the data line and is connected, via a second contact hole defined at the protective film, to the pixel electrode.

7. The liquid crystal display device according to claim 6, wherein the pixel electrode is spaced from the gate line, and the storage electrode extends into the pixel electrode to be connected, via the second contact hole, to the pixel electrode.

8. The liquid crystal display device according to claim 1, wherein the protective film is an organic insulating film having a dielectric constant of 1.5 to 3.0.

9. The liquid crystal display device according to claim 8, wherein the protective film is made from Benzocyclobutene (BCB).